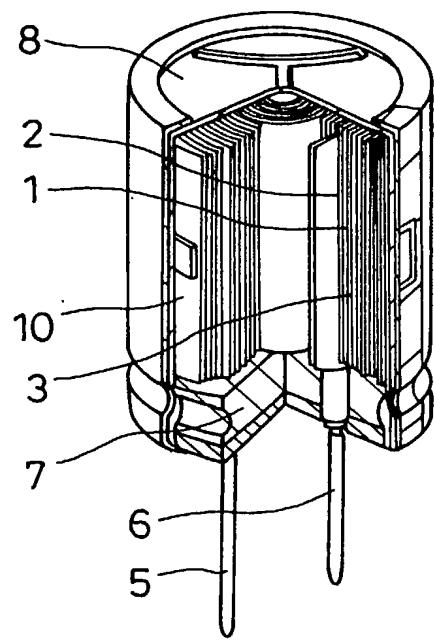


**FIG. 1**



**FIG. 2**

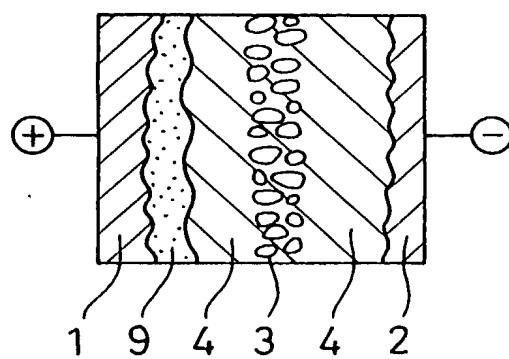


FIG. 3

	separator			melting or softening point of fiber (°C)	capacitance (μF/120Hz)	leak current (μA)	number of short circuits	impedance (mΩ 300kHz)	
	thickness (μm)	areal weight (g/m <sup>2</sup> )	tensile density (g/cm <sup>3</sup> )					before reflow	after reflow
Embodiment 1	40	25	0.63	17.6	260, 240	221	≤1	0	15
Embodiment 2	40	25	0.63	17.6	260, 240	222	≤1	0	11
Embodiment 3	40	25	0.63	17.6	260, 240	220	≤1	0	15
Embodiment 4	40	25	0.63	17.6	260, 240	221	≤1	0	15
Embodiment 5	50	20	0.40	15.6	260, 240	219	≤1	0	14
Embodiment 6	50	16	0.32	14.7	240, 170	220	≤1	0	14
Embodiment 7	40	25	0.63	17.6	260, 240	222	≤1	0	8
Ref. Example 1	210	60	0.29	5.9	750	—	—	—	—
A lot of disadvantages in working environment. Difficult to roll condenser element due to poor strength of fiber. Manufactured condenser product thicker than prescribed.									
Ref. Example 2	50	25	0.50	6.9	260	191	48	5	15
Ref. Example 3	50	25	0.50	22.6	—	181	55	11	31
Ref. Example 4	50	25	0.50	11.8	170	175	53	6	40